

① Series VO with TwinDISPLAY (a detailed description of the model variant can be found on page XXX)

Reliable, comfortable and energy-efficient – that's how vacuum drying works today. Separately adjustable and directly heated thermoshelves ensure precise temperature control and, thanks to the digital pressure control, the chamber load is dried not only at high speed but also extremely gently in our powerful and robust vacuum drying oven.

Multi-Level-Heating & Sensing: intelligent direct heating via individually placeable thermoshelves with separate sensors guarantees short heating and process times in the Memmert vacuum drying oven. The control circuits react precisely to different loads or humidity and maintain a constant set temperature during vacuum drying. Thanks to the direct contact between the heating and the load, practically no heat loss occurs. Each thermoshelf can be individually calibrated.

Together with the speed-controlled vacuum pump, the vacuum oven VO forms an unbeatably energy-efficient duo. The pump is perfectly tidied away in the matching base cabine.

Technical Data:

Work temperature range: at least 5°C above room temperature to +200°C
Set temperature range: +20°C up to +200°C
Setting accuracy: up to 99.9: 0,1°C / from 100°C: 0.5°C
Power supply: 230 V, 50/60 Hz (other voltages on request)

Type	Outer W x H x D mm	Inner W x H x D mm	Vol. approx. l	Wght approx. kg	P rating approx. W	Order No.
VO29	550x607x400	385x305x250	29	55	820	41 26 60200
VO49	550x687x480	385x385x330	49	83	2020	41 26 60400
VO101	710x767x550	545x465x400	101	110	2420	41 26 60500

External dimensions: depth without door handle, depth of door handle 38 mm

Electrical load: with max. number of thermoshelves

All vacuum ovens according to DIN 12880:2007-05

Options

Premium module

Premium module: comprises the switching to inert gas function (for sizes 49 and 101 only), further thermoshelf connections 1 (size 29) or 2 (size 49/101), one additional thermoshelf (size 49/101)

Article	Order No.
for VO29	10 26 06200
for VO49	10 26 06400
for VO101	10 26 06500

Accessories

Thermoshelves aluminium

anodized, material 3.3547 (ASTM B209); standard version: 1 piece

Article	Order No.
for VO29	10 26 08200
for VO49	10 26 08400
for VO101	10 26 08500

Thermoshelves stainless steel

No. 1.4404 (ASTM 316 L) for particularly corrosion-prone materials

Article	Order No.
for VO29	41 26 61428
for VO49	41 26 61448
for VO101	41 26 61458

Noise absorbing vacuum pump module without pump

With antivibration metal plate at the bottom to accommodate the vacuum pump, including full-sight glass door, socket, signal cable and connecting hose to the vacuum oven.

Article	Order No.
for VO29	41 26 62200
for VO49	41 26 62400
for VO101	41 26 62500

② Noise absorbing vacuum pump module with pump

See description above, 230 V, 50 Hz (other voltages upon request)

Requires pump control or Premium module at VO.

Article	Order No.
for VO29	41 26 63200
for VO49	41 26 63400
for VO101	41 26 63500



Vacuum pump with chemical resistant 4-fold membrane

With automatic purge process through controller of vacuum oven (signal cable and vacuum connection - see below - are compulsory).

For combination with pump control or Premium module.

Article	Order No.
for VO29/49/101	10 26 07509
Feed rate approx. 50 NI/min = 3.0 m ³ /h	

Accessories

Article	Order No.
Signal line	41 26 65245
3 m long, for optimizing pump performance by demand-controlled activation of purge of Memmert pump	
Vacuum-connecting tube	41 26 66245
3 m long, from oven to Memmert pump incl. optimized connection accessories	

③ Subframe

Tubular steel, black enamelled (for stacking unit consisting of vacuum oven and pump module, total height: 1650 mm)

Article	Order No.
for VO29	41 26 67200
for VO49	41 26 67400
for VO101	41 26 67500

An extensive selection of accessories and options is available on request.

We reserve the right to make changes in technical specifications. Dimensions subject to confirmation.

All performance data are typical mean values for serial devices.

